

ME Study Abroad Curriculum for Monash University

1 st Semester		
ENGL 15/30	English	3
FYS	1 st Year Seminar	1
EDSGN 100	Intro to Engineering Design	3
GA, GH, GS	General Education	3
CHEM 110	Chemical Principles 1	3
MATH 140	Calculus 1	4
	Total	17

2 nd Semester		
ECON 2/4	Economics	3
CHEM 112	Chemical Principals 2	3
GA, GH, GS	General Education	3
PHYS 211	Mechanics	4
MATH 141	Calculus 2	4
	Total	17

3 rd Semester		
CMPSC 200	MATLAB	3
CAS 100	Speech Communications	3
EMCH 211	Statics	3
MATH 220	Matrices	2
MATH 231	Calculus 3	2
PHYS 212	Electricity & Magnetism	4
	Total	17

4 th Semester		
EMCH 212	Dynamics	3
EMCH 213	Strength of Materials	3
GHA	Health & Physical Activity	1.5
ME 300	Thermodynamics	3
MATH 251	Differential Equations	4
PHYS 214	Wave and Quantum Physics	2
	Total	16.5

5 th Semester		
ME 360	Machine Components	3
GHA	Heath & Physical Activity	1.5
EMCH 315	Mech. Response of Engr. Materials	2
ME 345	Instrumentation & Statistics	4
ME 320	Fluid Dynamics	3
MATSE 259	Properties of Engr. Materials	3
	Total	16.5

6 th Semester - Monash University		
MEC3453 ¹	Dynamics II	6
ETE	Engineering Technical Elective	6
ETE	Engineering Technical Elective	6
GA, GH, GS	General Education	6
GTE ³	General Technical Elective	
	Monash Points	24

¹ MEC3453 (ME 370); ³ MEC3453 & 2 ETEs transfer as 12 credits; 3 credits used as direct course substitutions

7 th Semester		
ENGL 202C	Technical Writing	3
GA, GH, GS	General Education	3
ME 340	Design Methodology	3
ME 450	Dynamic System Modeling	3
ME Lab	Lab	1
IE 312	Manufacturing Processes	3
	Total	16

8 th Semester		
ME 410	Heat Transfer	3
METE	ME Tech Elective	3
GA, GH, GS	General Education	3
ETE	General Technical Elective	3
ME 440/441	Capstone Design Project	3
ME Lab	Lab	1
	Total	16